

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-68. (Canceled)

69. (New) An isolated nucleic acid molecule comprising a nucleic acid sequence selected from the group consisting of:

(a) a nucleic acid sequence at least about 70% identical to a nucleic acid sequence selected from the group consisting of SEQ ID NO:1, SEQ ID NO:3, SEQ NO:28 and SEQ ID NO:30;

(b) a nucleic acid sequence identical to SEQ ID NO:50;

(c) a nucleic acid sequence having an at least 20 contiguous nucleotide region identical in sequence to a 20 contiguous nucleotide region from SEQ ID NO:1, SEQ ID NO:3, SEQ NO:28 or SEQ ID NO:30; and,

(d) a nucleic acid sequence fully complementary to the nucleic acid sequence of (a), (b) or (c).

70. (New) The isolated nucleic acid molecule of claim 69, wherein said nucleic acid sequence is selected from the group consisting of SEQ ID NO:1, SEQ ID NO:3, SEQ NO:28, SEQ ID NO:30 and SEQ ID NO:50.

71. (New) An isolated nucleic acid molecule comprising a nucleic acid sequence selected from the group consisting of:

(a) a nucleic acid sequence encoding a protein encoded by a polynucleotide sequence at least about 70% identical to a polynucleotide sequence selected from the group consisting of SEQ ID NO:1, SEQ ID NO:28, SEQ ID NO:50 and a nucleic acid sequence encoding the amino acid sequence of SEQ ID NO:60, SEQ ID NO:61 or SEQ ID NO:62; and

(b) a nucleic acid sequence fully complementary to the nucleic acid sequence of (a).

72. (New) The isolated nucleic acid molecule of claim 71, where said nucleic acid sequence encodes a protein comprising an amino acid sequence at least about 80% identical to SEQ ID NO:2.

73. (New) The isolated nucleic acid molecule of claim 71, wherein said nucleic acid sequence encodes a protein comprising SEQ ID NO:2, SEQ ID NO:28, SEQ ID NO:60, SEQ ID NO:61 or SEQ ID NO:62.

74. (New) An isolated nucleic acid molecule consisting of a nucleic acid sequence selected from the group consisting of:

(a) a nucleic acid sequence encoding a protein encoded by a polynucleotide sequence at least about 70% identical to a polynucleotide sequence selected from the group consisting of SEQ ID NO:1, SEQ ID NO:28 and SEQ ID NO:5;

(b) a nucleic acid sequence having an at least 20 contiguous nucleotide region identical in sequence to a 20 contiguous nucleotide region from SEQ ID NO:1, SEQ ID NO:3, SEQ ID NO:28 or SEQ ID NO:30; and,

(c) a nucleic acid sequence fully complementary to the nucleic acid sequence of (a) or (b).

75. (New) The isolated nucleic acid molecule of claim 74, wherein said nucleic acid sequence is selected from the group consisting of:

(a) a nucleic acid sequence at least about 70% identical to a nucleic acid sequence selected from the group consisting of SEQ ID NO:1, SEQ ID NO:3, SEQ ID NO:28 and SEQ ID NO:30;

(b) a nucleic acid sequence encoding the amino acid sequence of SEQ ID NO:60, SEQ ID NO:61 or SEQ ID NO:62; and

(c) a nucleic acid sequence fully complementary to the nucleic acid sequence of (a) or (b).

76. (New) The isolated nucleic acid molecule of claim 74, wherein said nucleic acid sequence encodes a protein having the amino acid sequence of SEQ ID NO:2, SEQ ID NO:29, SEQ ID NO:60, SEQ ID NO:61 or SEQ ID NO:62.

77. (New) An oligonucleotide which is a fragment of the isolated nucleic acid molecule of claim 74, wherein said fragment is between 15 and 25 nucleotides in length.

78. (New) A fragment of the isolated nucleic acid molecule of claim 74, wherein said fragment is at least 25 nucleotides in length.